

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

/

4

**Complete if Known**

Applicati n Number	09/808,790
Filing Date	March 15, 2001
First Named Inventor	Krishna Vepa et al.
Art Unit	1765
Examiner Name	Lan Vinh
Attorney Docket Number	20468-000110

RECEIVED  
APR 11 2003  
GROUP 1700**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
LV	A	US-4,054,010	10-18-1977	Vern D. Shipman	
	B	US-4,066,943	01-03-1978	Jacques L. Roch	
	C	US-4,149,343	04-17-1979	Fritz Feldmeier	
	D	US-4,853,286	08-01-1989	Osamu Narimatsu et al.	
	E	US-4,941,293	07-17-1990	Danald L. Ekhoft	
	F	US-5,056,971	10-15-1991	Marco Sartori	
	G	US-5,173,863	12-22-1992	Michael W. Martin	
	H	US 5,178,461	01-12-1993	Toru Taniguchi	
	I	US 5,209,760	05-11-1993	Ronald C. Wiant	
	J	US 5,494,862	02-27-1996	Tadahiho Kato et al.	
	K	US 5,549,511	08-27-1996	John E. Cronin et al.	
	L	US 5,567,503	10-22-1996	John S. Sexton et al.	
	M	US 5,582,534	12-10-1996	Norm Shendon et al.	
	N	US 5,679,055	10-21-1997	George W. Greene et al.	
	O	US 5,579,212	10-21-1997	Tadahiho Kato et al.	
	P	US 5,697,832	12-16-1997	David Greenlaw et al.	
	AA	US 5,733,175	03-31-1998	Michael A. Leach	
	AB	US 5,735,731	04-07-1998	Byoung-hun Lee	
	AC	US 5,755,614	05-26-1998	Jahn A. Adams et al.	
	AD	US 5,800,725	09-01-1998	Tadahiho Kato et al.	
	AE	US 5,820,449	10-13-1998	Richmond B. Clover	
	AF	US 5,821,166	10-13-1998	Hirofumi Hajime et al.	
	AG	US 5,827,779	10-27-1998	Hisashi Masumura et al.	
	AH	US 5,830,045	11-03-1998	Tetsuji Togawa	
	AI	US 5,842,910	12-01-1998	T. C. Krywanczyk et al.	
	AJ	US 5,849,636	12-15-1998	Takamitsu Harada et al.	
	AK	US 5,851,664	12-22-1998	Richard E. Bennett et al.	
	AL	US 5,851,924	12-22-1998	Atsuo Nakazawa et al.	
	AM	US 5,855,735	01-05-1999	Satoru Takada et al.	
	AN	US 5,865,578	02-02-1999	Elmar Benedikter	
	AO	US 5,879,222	03-09-1999	Karl M. Robinson	
	AP	US 5,880,027	03-09-1999	Hirofumi Hajime et al.	
	AQ	US 5,899,743	05-04-1999	Fumitaka Kai et al.	
	AR	US 5,913,712	06-22-1999	Hector Molinar	
LV	AS	US 5,941,759	08-24-1999	Kenkichi Kitajima et al.	

Examiner  
SignatureDate  
Considered

5/1/2003

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7099656 v1

PTO  
APR 09 2003  
PATENT & TRADEMARK OFFICE

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known	
Application Number	09/808,790
Filing Date	March 15, 2001
First Named Inventor	Krishna Vepa et al
Art Unit	1765
Examiner Name	Lan Vinh
Attorney Docket Number	20468-000110

RECEIVED  
APR 11 2003  
GROUP 1700

## U.S. PATENT DOCUMENTS

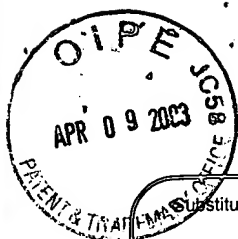
Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
LV	AT	US 5,942,445	08-24-1999	Tadahiro Kato et al.	
	AU	US 5,951,374	09-14-1999	Tadahiro Kato et al.	
	AV	US 5,963,821	10-05-1999	Fumitaka Kai et al.	
	AW	US 5,964,646	10-12-1999	Salman M. Kassir et al.	
	AX	US 5,967,882	10-19-1999	Wayne O. Duescher	
	AY	US 5,976,260	11-02-1999	Yoshimi Kinoshita et al.	
	AZ	US 5,980,366	11-09-1999	Thomas Waddle et al.	
	BA	US 5,981,391	11-09-1999	Yutaka Yamada	
	BB	US 5,985,045	11-16-1999	Thomals S. Kobayashi	
	BC	US 6,036,582	03-14-2000	Hideo Aizawa et al.	
	BD	US 6,042,459	03-28-2000	Katsuo Honda	
	BE	US 6,046,117	04-04-2000	Theresia Bauer et al.	
	BF	US 6,050,880	04-18-2000	Tadahiro Kato et al.	
	BG	US 6,056,631	05-02-2000	Thomas M. Brown et al.	
	BH	US 6,063,232	05-16-2000	Yukihiko Terasawa et al.	
	BI	US 6,077,149	06-20-2000	Sadayuki Ohkuni et al.	
	BJ	US 6,089,963	07-18-2000	Ronald C. Wiand et al.	
	BK	US 6,095,897	08-01-2000	Mark Andrew Stocker et al.	
	BL	US 6,095,904	08-01-2000	Joseph R. Breivogel et al.	
	BM	US 6,102,784	08-15-2000	Christopher J. Lichner	
	BN	US 6,103,636	08-15-2000	Russell C. Zahorik et al.	
	BO	US 6,114,245	09-05-2000	Roland Vandamme et al.	
	BP	US 6,116,987	09-12-2000	Yuzo Kubo	
	BQ	US 6,121,111	09-19-2000	Syun-Ming Jang et al.	
	BR	US 6,132,289	10-17-2000	Michael Labunsky et al.	
	BS	US 6,132,294	10-17-2000	Chenting Lin	
	BT	US 6,149,507	11-21-2000	Sang-seon Lee et al.	
	BU	US 6,152,806	11-28-2000	James C. Nystrom	
	BV	US 6,156,676	12-05-2000	Nobuyoshi Sato et al.	
	BW	US 6,159,827	12-12-2000	Makoto Kataoka et al.	
	BX	US 6,162,112	12-19-2000	Kyoichi Miyazaki et al.	
	BY	US 6,168,506 B1	01-02-2001	Bob McJunkin	
	BZ	US 6,183,352 B1	02-06-2001	Shuu Kurisawa	
	CA	US 6,184,139 B1	02-06-2001	John A. Adams et al.	
LV	CB	US 6,184,141 B1	02-06-2001	Steven C. Avanzino et al.	

Examiner Signature		Date Considered	5/1/2003
-----------------------	--	--------------------	----------

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7099656 v1



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

## Complete if Known

Application Number	09/808,790
Filing Date	March 15, 2001
First Named Inventor	Krishna Vepa et al.
Art Unit	1765
Examiner Name	Lan Vinh
Attorney Docket Number	20468-000110

RECEIVED  
APR 11 2003  
GROUP 1700

## U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
LV	CC	US 6,196,904 B1	03-06-2001	Hisanori Matsuo et al.	
	CD	US 6,210,259 B1	04-03-2001	Daniel Malkin et al.	
	CE	US 6,217,433 B1	04-17-2001	James A. Herman et al.	
	CF	US 6,220,949 B1	04-24-2001	Kanji Hayashi et al.	
	CG	US 6,224,473 B1	05-01-2001	Bradley J. Miller et al.	
	CH	US 6,225,136 B1	05-01-2001	Justin R. Lydon et al.	
	CI	US 6,227,944 B1	05-08-2001	Yun-BiaoXin et al.	
	CJ	US 6,227,950 B1	05-08-2001	Gene Hempel et al.	
	CK	US 6,239,039 B1	05-29-2001	Takashi Nihonmatsu et al.	
	CL	US 6,270,392 B1	08-07-2001	Yoshihiro Hayashi et al.	
	CM	US 6,270,395 B1	08-07-2001	Daniel I. Towery et al.	
	CN	US 6,312,320 B2	11-06-2001	YasuharuSato et al.	
	CO	US 6,354,918 B1	03-12-2002	Tetsuji Togawa et al.	
	CP	US 6,358,117 B1	03-19-2002	Tadahiho Kato et al.	
	CQ	US 6,358,125 B2	03-19-2002	Kiyotaka Kawashima et al.	
	CR	US 6,361,202 B1	03-26-2002	Hang-Chang Lee et al.	
	CS	US 6,376,395 B2	04-23-2002	Jiri L. Vasat	
	CT	US 6,391,779 B1	05-21-2002	John Skrovan	
	CU	US 6,406,364 B1	06-18-2002	Norio Kimura et al.	
	CV	US 6,419,574 B1	07-16-2002	Tsutomu Takahashi et al.	
	CW	US 6,431,959 B1	08-13-2002	Katrina Mikhaylich et al.	
	CX	US 6,491,836 B1	12-10-2002	Tadahiho Kato et al.	
LV	CY	US-2001/0006882 A1	07-05-2001	Ulrich Finkenzeller et al.	
	CZ	US-2002/0048213 A1	04-25-2002	Jeffrey Alexander Wilmer et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	CAA	EP	0776030	A2	05-28-1997	Hisashi Masumura et al.		<input type="checkbox"/>
	CBB	EP	0940219	A2	09-08-1999	Shunji Hakomori et al.		<input type="checkbox"/>
	CCC	EP	1050374	A2	11-08-2000	Robert D. Tolles et al.		<input type="checkbox"/>
	CDD	JP	10-146751	A	06-02-1998	Not translated		<input type="checkbox"/>

Examiner  
Signature

*[Signature]*

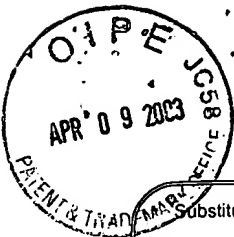
Date  
Considered

5/1/2003

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7099656 v1



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

4

4

**Complete if Known**

Application Number	09/808,790
Filing Date	March 15, 2001
First Named Inventor	Krishna Vepa et al.
Art Unit	1765
Examiner Name	Lan Vinh
Attorney Docket Number	20468-000110

RECEIVED  
APR 11 2003  
GROUP 1700**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LV	CEE	JP	10-242088	A	09-11-1998	Not translated		<input type="checkbox"/>
	CFF	JP	10-256203	A	09-25-1998	Not translated		<input type="checkbox"/>
	CGG	JP	61-152358	A	07-11-1986	Not translated		<input type="checkbox"/>
	CHH	JP	6-295891	A	10-21-1994	Not translated		<input type="checkbox"/>
	CII	WO	99/09588	A1	02-25-1999	Roland Vandamme		<input type="checkbox"/>
LV	CJJ	WO	99/31723	A1	06-24-1999	Eugene C. Davis et al.		<input type="checkbox"/>
	CKK							<input type="checkbox"/>

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LV	CLL	Systems Dynamics, Inc. web page, <a href="http://www.sysdyn.com/expages/LMIS.htm">www.sysdyn.com/expages/LMIS.htm</a> , May 2, 2001, 2 pages.	
LV	CMM	GSi LUMONICS WaferMark® SigmaXC Nd:YLF-Laser Marking System, <a href="http://www.marwell.se/mls2/15wmsxc.html">www.marwell.se/mls2/15wmsxc.html</a> , May 5, 2001, 2 pages.	
LV	CNN	Norbert Maurer et al., High Speed Laser Marking Pen-type Nd: YAG Systems, SemiconductorFabtech.com TAP RESOURCE, <a href="http://www.fabtech.org/features/tap/articles/02.309.html">www.fabtech.org/features/tap/articles/02.309.html</a> , May 2, 2001, pages 1-6.	

Examiner  
SignatureDate  
Considered

5/1/2003

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7099656 v1